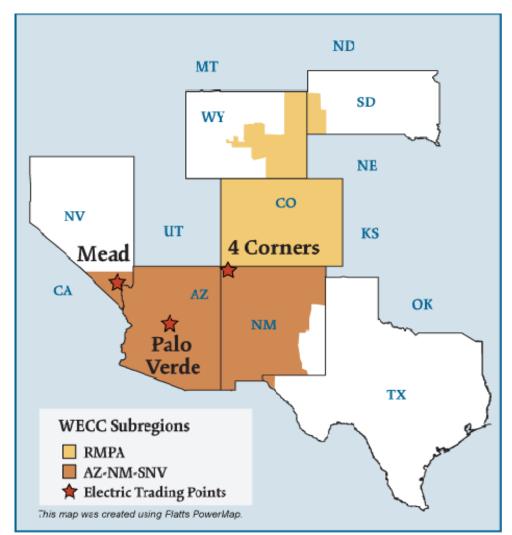
#### **Southwest Electric Market: Overview and Focal Points**

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### Southwest Electric Regions

#### **Overview**

#### Geography

States covered: All or most of Arizona, New Mexico, Colorado and parts of Nevada, Wyoming and South Dakota.

Reliability region: Western Electric Coordinating Council (WECC) [NERC regions map ] and Rocky Mountain Power Area (RMPA) and Arizona/New Mexico/Southern Nevada Power Area (AZNMSNV) sub-regions

Balancing authorities: See list on page 5.

#### **RTO/ISO**

None

#### **Generation/Supply**

Marginal fuel type: Natural gas

Generating capacity: 45,459 MW (2005)

Capacity reserve: 8,940 MW (2005)

Reserve margin: 24% (2005)

The region has a surplus of generating capacity, with much of the generation in Arizona and the Four Corners area. Transmission capacity to the California market is often fully utilized in the high load periods of the summer. In 2005, the regional reserve margin decreased from 2004 as demand growth outpaced supply additions.

#### Demand

Peak demand: 36,519 MW (2005)

Peak demand growth: 3.5% (2005–2004)

2006 economic growth remained strong in areas such as Las Vegas and Phoenix.

#### Prices

Annual Average of Daily Bilateral Day Ahead On-Peak Prices

Platts "Palo Verde" Index

2004: \$50.09/MWh

2005: \$67.62/MWh

2006: \$57.79/MWh

Prices increased in 2005 as a result of disturbances to the natural gas market. Prices declined in 2006 as natural gas storage levels remained above historical ranges throughout the injection season (April through October).

Physical and financial electricity products are actively traded through brokers with the Palo Verde, Four Corners, and Mead hubs as pricing points.

#### Interconnections/Seams

Coming soon

#### **Focal Points**

**Severe Heat Wave:** In late July 2006, a severe heat wave resulted in 100+ degree temperatures over much of the West - and up to 113 degrees in Las Vegas and 118 degrees in Phoenix. Between July 12 and July 26, peak load records were set by customers of utilities (e.g., Nevada Power, Arizona Public Service, and Tucson Electric Power). While the regional wholesale market tightened because of concurrent high demand in California and the Northwest, Southwest suppliers were able to meet regional loads and still export to California. Some merchant generating stations such as Harquahala saw increased production compared to the previous summer. Power prices in the Southwest bilateral markets spiked to over \$350/MWh on July 24, the date that CAISO declared a Stage 2 Emergency - CAISO's call for critical conservation due to very tight power supplies in its control area.

**New Energy Company:** According to a company press release, PNM Resources, Inc., a holding company for utility and energy service companies in New Mexico and Texas, and Cascade Investment, L.L.C., a private investment firm for Microsoft founder Bill Gates, agreed to create an unregulated energy company to serve energy markets in the West and in Texas. PNM Resources and a Cascade Investment subsidiary planned to have a 50 percent ownership interest in the new company. Representatives stated that the new company would form business lines to serve competitive retail electricity sales, operation and ownership of generation, and wholesale marketing and trading. At the time of the November 2006 announcement, Cascade Investment owned approximately 6.5 million, or 9.4 percent, of PNM Resources' common stock shares.

### Balancing Authorities in the Southwest Electric Market

WECC Subregion and Balancing Authority	NERC Acronym	
AZNMSNV		
Arizona Public Service Company	AZPS	
DECA, LLC - Arlington Valley	DEAA	
El Paso Electric Company	EPE	
Gila River Maricopa Arizona	GRMA	
Harquahala L.L.C.	HGMA	
Imperial Irrigation District	IID	
Nevada Power Company	NEVP	
Public Service Company of New Mexico	PNM	
Salt River Project	SRP	
Tucson Electric Power Company	TEPC	
Western Area Power Administration - Lower Colorado	WALC	
RMPA		
Public Service Company of Colorado	PSCO	
Western Area Power Administration - Colorado-Missouri	WACM	

# **Supply and Demand Statistics for the Southwest**

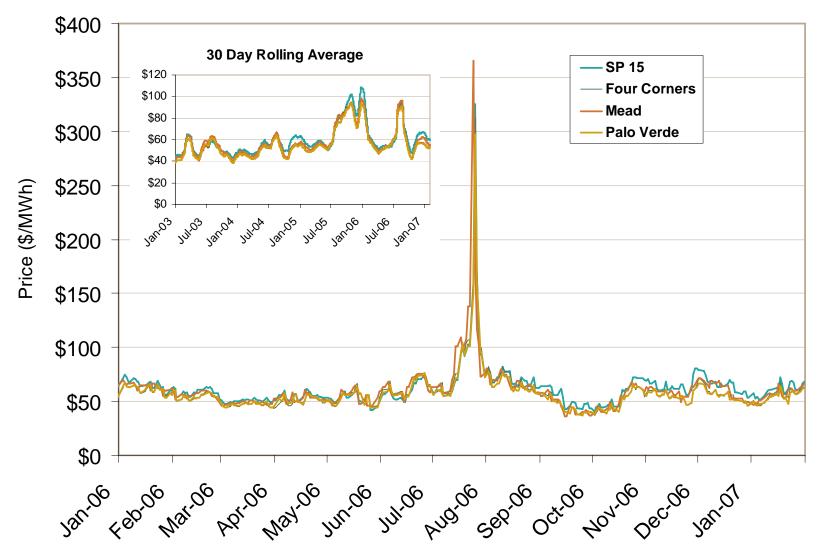
Supply Demand Statistics			
	2003	2004	2005
Summer Generating Capacity MW	41,646	45,588	45,459
Summer Peak Demand MW	35,815	35,280	36,519
Summer Reserves MW	5,831	10,308	8,940
Summer Reserve Margin:	16%	29%	24%
Annual Load (GWh):	177,401	180,154	185,730
Annual Net Generation GWh	NA	NA	NA

# Yearly Average of Bilateral DA Prices – On-Peak

#### Annual Average Day Ahead Prices (\$/MWh)

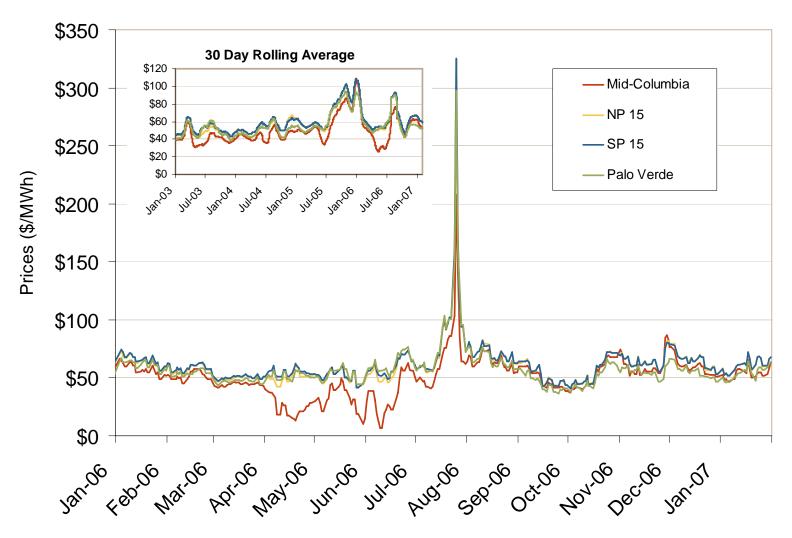
	2005	2006	5 Years
Palo Verde	\$67.62	\$57.79	\$51.44
Four Corners	\$69.45	\$58.60	\$51.97
Mead	\$70.21	\$59.95	\$53.84

## Southwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* and *ICE* data.

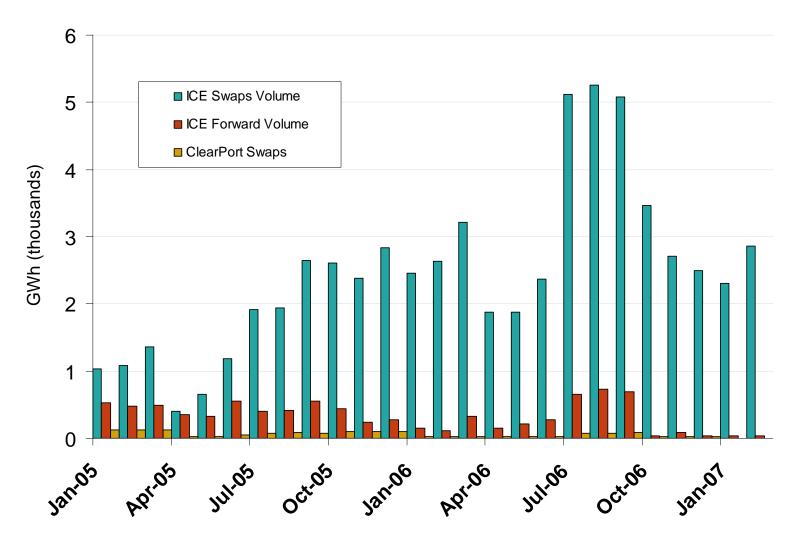
## Western Daily Bilateral Day-Ahead On-Peak Prices



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# Palo Verde Forward and Swap Volumes



Source: Derived from *ICE* and *Nymex ClearPort* data. ICE on-peak forward and swap volumes are for Palo Verde and include monthly, dual monthly, quarterly, and calendar year contracts traded for each month. Nymex ClearPort on-peak swaps volumes are for Palo Verde and are traded by month.